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**SIRIM/MOA  
STANDARD**



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**SIRIM/MOA 4-4:2019**

ICS: 71.100.99

**Herbal extracts - Specification - Part 4: Hempedu bumi  
(*Andrographis paniculata* (Burm. f.) Nees) spray dried  
aqueous extract**

## **MOA**

The Ministry of Agriculture and Agro-based Industry (MOA), is a ministry of the Government of Malaysia that is responsible for agriculture, agro-based industry, agritourism, livestock, veterinary services, fisheries, quarantine, inspection, agricultural research, agricultural development, agricultural marketing, pineapple industry, agribusiness, botanical garden, food security and food sovereignty.

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## **SIRIM/MOA STANDARD**

SIRIM/MOA Standard is developed according to SIRIM standardisation procedures, which are in line with international practices that ensure appropriate notification of work programmes and participation of interested parties. As a standards development organisation, SIRIM Berhad has extensive expertise in standards research and consultancy which helps industries and businesses meet local and international requirements and practices.

SIRIM/MOA Standard is developed through collaboration with SIRIM which provides requirements, specifications, guidelines or characteristics that can be used to ensure that materials, products, processes and services are fit for their purpose.

SIRIM/MOA Standard is developed through consensus by established committee, which consists of experts in the subject matter. The use of this standard is voluntary, and it is open for adoption by regulators, government agencies, associations, industries, professional bodies, etc.

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## **Foreword**

SIRIM/MOA 4 standard series was developed by the Project Committee on Industry Standards for Herbs established by SIRIM Berhad.

This standard consists of the following parts, under the general title, *Herbal extracts - Specification*:

*Part 1: Belalai gajah (Clinacanthus nutans (Burm. f.) Lindau) spray dried aqueous extract*

*Part 2: Dukung anak (Phyllanthus niruri L.) spray dried aqueous extract*

*Part 3: Halia (Zingiber officinale Roscoe) spray dried aqueous extract*

*Part 4: Hempedu bumi (Andrographis paniculata (Burm. f.) Nees) spray dried aqueous extract*

*Part 5: Kacip fatimah (Marantodes pumilum (Blume) Kuntze syn (Labisia pumila (Blume) Fern.-Vill) spray dried aqueous extract*

*Part 6: Mas cotek (Ficus deltoidea Jack var kunstleri (King) Corner) spray dried aqueous extract*

*Part 7: Misai kucing (Orthosiphon aristatus (Blume) Miq.) spray dried aqueous extract*

*Part 8: Mengkudu (Morinda citrifolia L.) spray dried aqueous extract*

*Part 9: Pegaga (Centella asiatica (L.) Urb.) spray dried aqueous extract*

*Part 10: Roselle (Hibiscus sabdariffa L.) spray dried aqueous extract*

*Part 11: Tongkat ali (Eurycoma longifolia Jack) spray dried aqueous extract*

This standard will be reviewed periodically to ensure that it reflects current needs and conditions. Users and other interested parties may submit comments on the contents of this standard for consideration in future versions.

Compliance with this standard does not by itself grant immunity from legal obligations.